

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P588474

Luminaire Tested: **GAT-CA6-LED-60-727-U-55-5-X-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GAT-CA6-LED-60-727-U-55-5-X-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8230.1 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U4 - G4

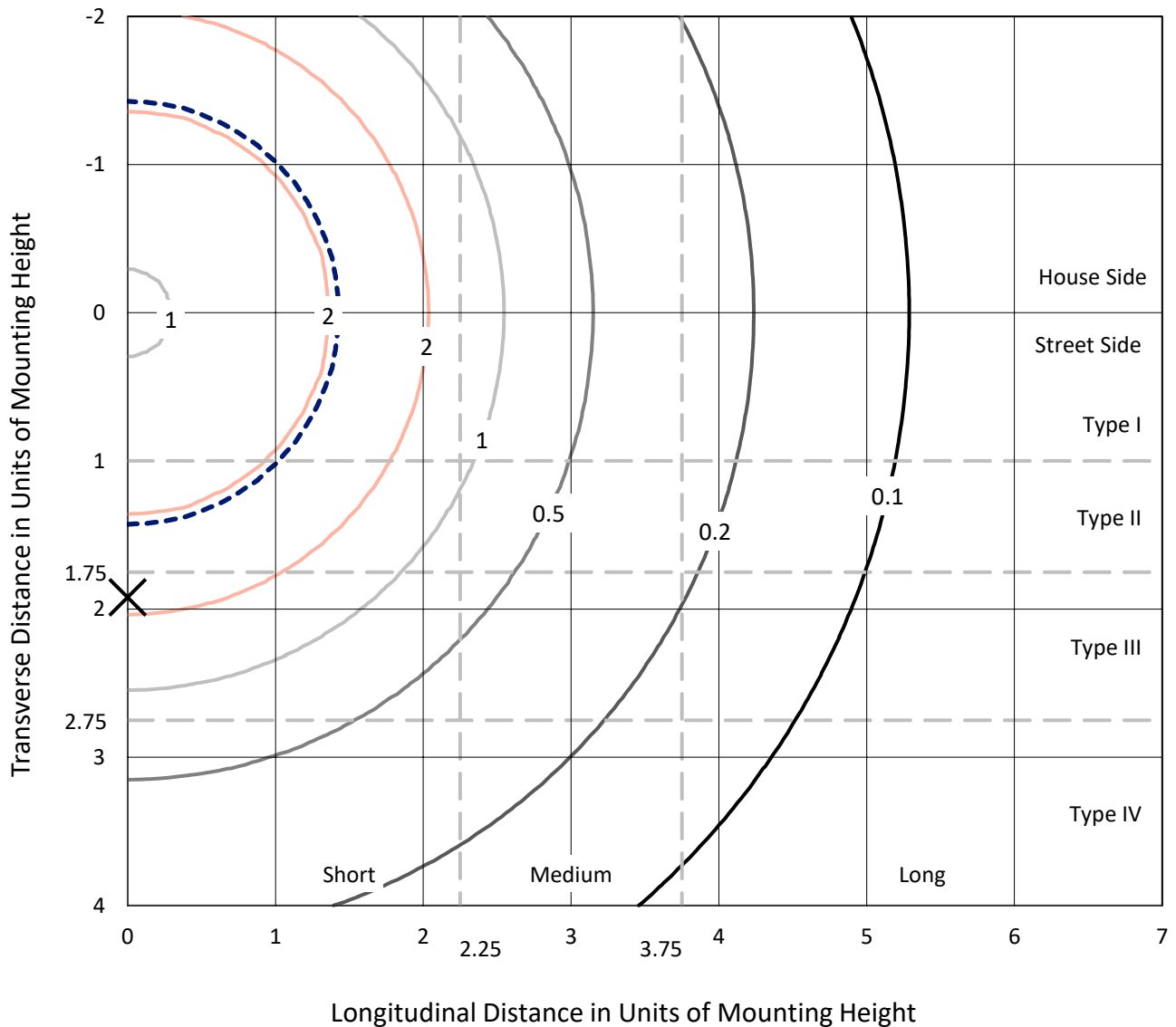
Input Watts (W): 64.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P588474
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Iso-Footcandle Lines of Horizontal Illumination

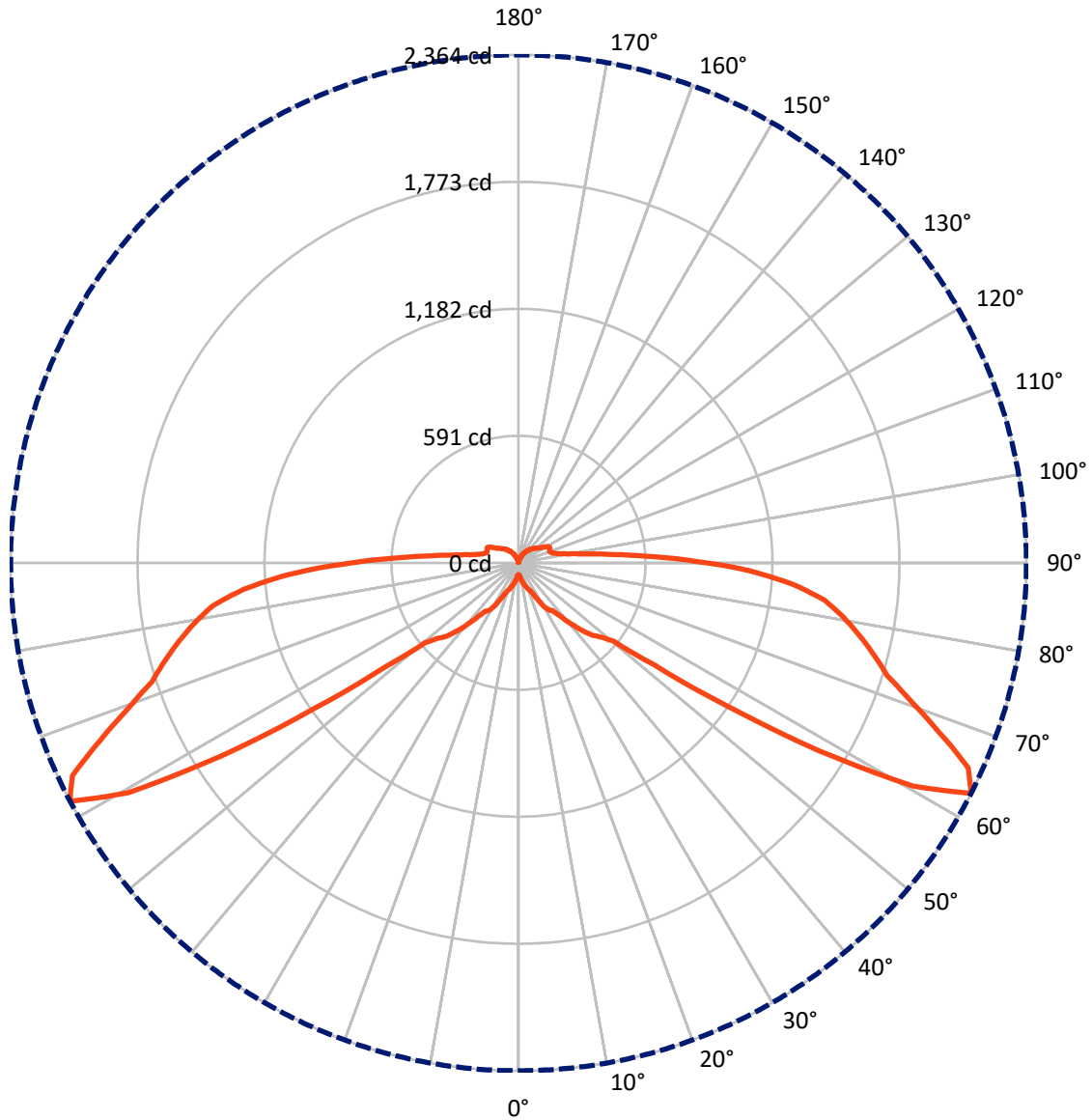
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - Non-Cutoff

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CATALOG NUMBER: GAT-CA6-LED-60-727-U-55-5-X-X

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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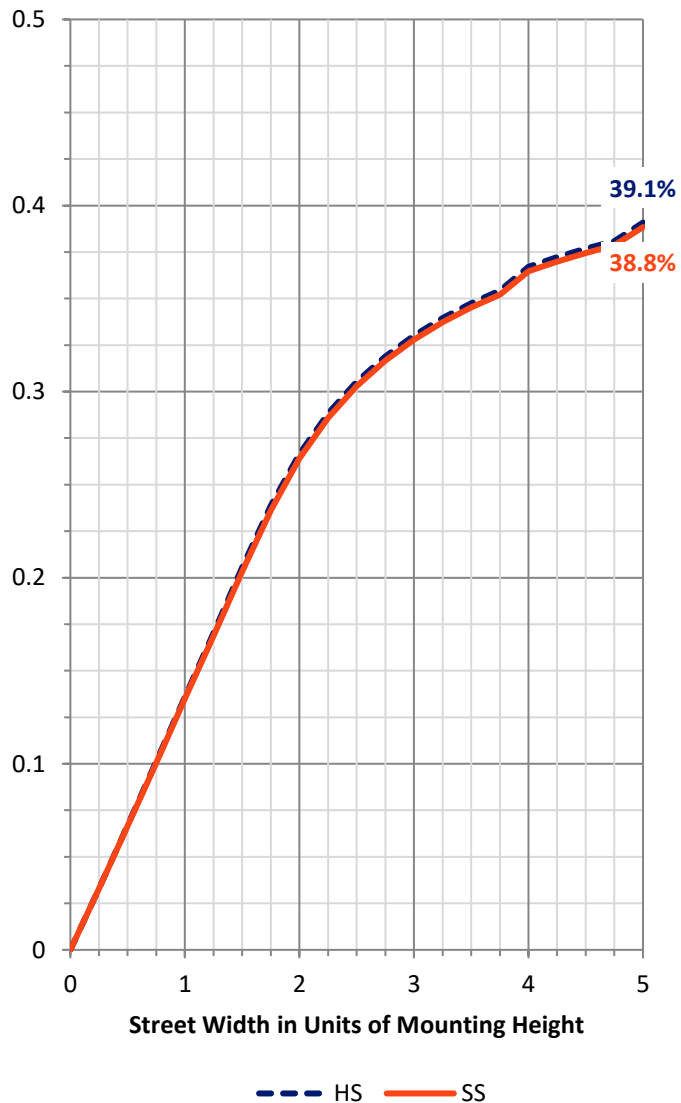
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3572.5 | 542.6 | 4115.0 |
| | % Fixture | 43.4 | 6.6 | 50.0 |
| Street Side | Lumens | 3572.5 | 542.6 | 4115.0 |
| | % Fixture | 43.4 | 6.6 | 50.0 |
| Total | Lumens | 7144.9 | 1085.1 | 8230.1 |
| | % Fixture | 86.8 | 13.2 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 6.8 | 0.1 |
| 10°-20° | 31.2 | 0.4 |
| 20°-30° | 81.1 | 1.0 |
| 30°-40° | 182.4 | 2.2 |
| 40°-50° | 368.5 | 4.5 |
| 50°-60° | 1122.1 | 13.6 |
| 60°-70° | 2183.0 | 26.5 |
| 70°-80° | 1812.8 | 22.0 |
| 80°-90° | 1357.2 | 16.5 |
| 90°-100° | 497.0 | 6.0 |
| 100°-110° | 187.1 | 2.3 |
| 110°-120° | 156.0 | 1.9 |
| 120°-130° | 109.9 | 1.3 |
| 130°-140° | 71.2 | 0.9 |
| 140°-150° | 41.2 | 0.5 |
| 150°-160° | 17.8 | 0.2 |
| 160°-170° | 4.5 | 0.1 |
| 170°-180° | 0.4 | 0.0 |
| 0°-90° | 7144.9 | 86.8 |
| 0°-180° | 8230.1 | 100.0 |

Coefficient of Utilization



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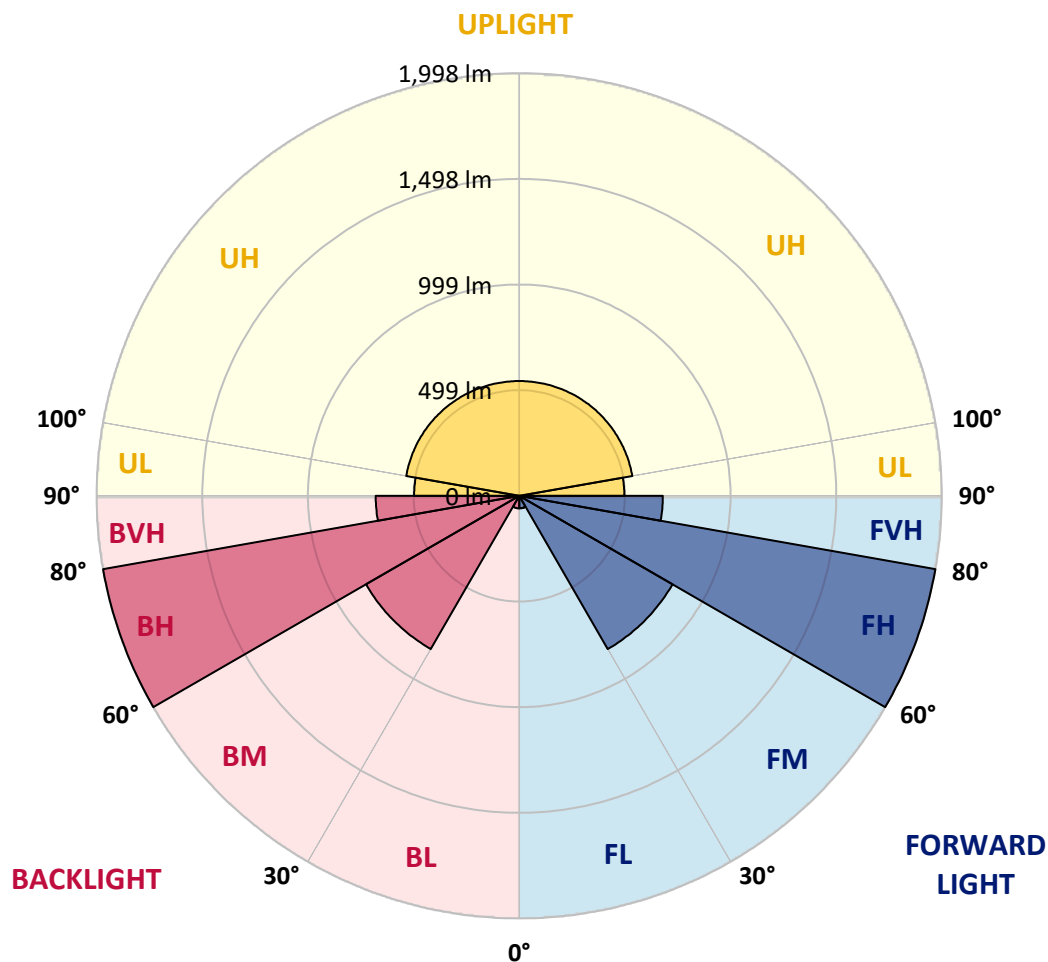
CATALOG NUMBER: GAT-CA6-LED-60-727-U-55-5-X-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|---------|---------|
| | | | B | U | G |
| FL (0°-30°) | 59.5 | 0.7 | | | |
| FM (30°-60°) | 836.4 | 10.2 | | | |
| FH (60°-80°) | 1997.9 | 24.3 | | | G2/5000 |
| FVH (80°-90°) | 678.6 | 8.2 | | | G4/750 |
| BL (0°-30°) | 59.5 | 0.7 | B0/110 | | |
| BM (30°-60°) | 836.4 | 10.2 | B1/1000 | | |
| BH (60°-80°) | 1997.9 | 24.3 | B3/2500 | | G2/5000 |
| BVH (80°-90°) | 678.6 | 8.2 | | | G4/750 |
| UL (90°-100°) | 497.0 | 6.0 | | U3/500 | |
| UH (100°-180°) | 542.6 | 6.6 | | U4/1000 | |

BUG Rating: B3-U4-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° |
|--------|--------|
| 0° | 54.9 |
| 2.5° | 55.9 |
| 5° | 62.5 |
| 7.5° | 74.6 |
| 10° | 85.6 |
| 12.5° | 96.5 |
| 15° | 107.5 |
| 17.5° | 118.5 |
| 20° | 131.6 |
| 22.5° | 141.5 |
| 25° | 162.4 |
| 27.5° | 199.7 |
| 30° | 237.0 |
| 32.5° | 262.2 |
| 35° | 273.2 |
| 37.5° | 313.8 |
| 40° | 368.6 |
| 42.5° | 425.7 |
| 45° | 480.5 |
| 47.5° | 515.6 |
| 50° | 572.7 |
| 52.5° | 785.5 |
| 55° | 1165.1 |
| 57.5° | 1650.0 |
| 60° | 2108.5 |
| 62.5° | 2364.1 |
| 65° | 2300.5 |
| 67.5° | 2115.1 |
| 70° | 1940.7 |
| 72.5° | 1793.7 |
| 75° | 1708.1 |
| 77.5° | 1621.4 |
| 80° | 1532.6 |
| 82.5° | 1437.1 |
| 85° | 1283.5 |
| 87.5° | 1079.5 |
| 90° | 825.0 |
| 92.5° | 588.0 |
| 95° | 409.2 |
| 97.5° | 296.2 |
| 100° | 227.1 |
| 102.5° | 188.7 |
| 105° | 168.9 |
| 107.5° | 158.0 |
| 110° | 154.7 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|--------|-------|
| 112.5° | 156.9 |
| 115° | 161.3 |
| 117.5° | 159.1 |
| 120° | 148.1 |
| 122.5° | 131.6 |
| 125° | 119.6 |
| 127.5° | 110.8 |
| 130° | 104.2 |
| 132.5° | 97.6 |
| 135° | 92.2 |
| 137.5° | 85.6 |
| 140° | 77.9 |
| 142.5° | 71.3 |
| 145° | 65.8 |
| 147.5° | 59.2 |
| 150° | 50.5 |
| 152.5° | 43.9 |
| 155° | 37.3 |
| 157.5° | 31.8 |
| 160° | 25.2 |
| 162.5° | 19.7 |
| 165° | 14.3 |
| 167.5° | 9.9 |
| 170° | 6.6 |
| 172.5° | 3.3 |
| 175° | 2.2 |
| 177.5° | 3.3 |
| 180° | 3.3 |

(END OF REPORT)